

REMARKS

Claims 1-30 are pending in this application.

Claim Rejections Under 35 U.S.C. §112

Claims 1-30 were rejected under 35 U.S.C. §112, second paragraph, as being indefinite. Claims 1 and 16 have been amended herein to delete the term "truly random".

Claim Rejections Under 35 U.S.C. §102

Claims 1-30 were rejected under 35 U.S.C. §102(b) as being anticipated by Reeds III (U.S. Patent No. 5,724,427).

Reeds III discloses a system for block or stream encrypting text using an autokeyed rotational state vector to encrypt plain text to yield cipher text.

Reeds III does not teach or suggest the conversion of the plain text message into a patternless encrypted message as claimed herein. In Reeds III the same rotational state vector is applied to each byte of the plain text for encryption to yield a byte of cipher text, creating a pattern. Also, the rotational state vector is updated or changed as a function of one or more of the cipher text, plain text, or key, creating a pattern. The use of a function creates a pattern in the encryption, whereby if a portion of the encrypted message is decrypted, the function utilized for the key is determinable, and the key and/or message are determinable, since the same function is repeated throughout by autokeying thereof.

In the present invention as claimed herein, the encryption software includes an encryption substitution set, comprised of randomly-generated elements, and an encoding matrix which cross-multiplies the message elements, to generate the patternless encrypted message. The decrypting of any portion of the encrypted message does not provide a pattern for enabling generating a key to decrypt the entire message, since the encrypted message is patternless. Furthermore, the decrypting of any portion or all of the patternless encrypted message with a phony key generated by a third party from the patternless encrypted message generates false positives, which prevent the third party from determining the correct key and/or plain text message. Support for the amendments to the claims is provided in the Specification, including at page 5, lines 11-21, and page 5, line 26 - page 6, line 12, and in the Figures, including Figures 4-7.

Dependent Claims

In view of the patentability of the underlying independent claims over the references as set forth above, it is submitted that the claims depending therefrom are likewise patentable.

CONCLUSION

It is submitted in view of the above that there is no teaching or suggestion of applicant's invention as claimed herein, within the scope of the disclosure of the cited references, without extensive modification and the exercise of inventive talent.

In light of the above amendments and remarks, applicant submits that the application is in condition for allowance, and requests that it be passed to issue. If there are any issues which can be discussed in a telephone interview, the Examiner is requested to contact applicant's attorney at (310) 242-2732.

Respectfully submitted,
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